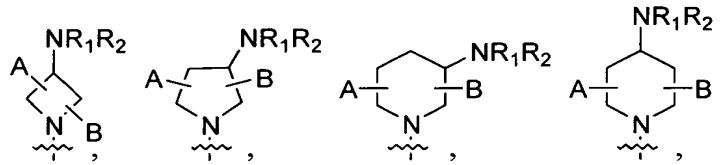
WE CLAIM

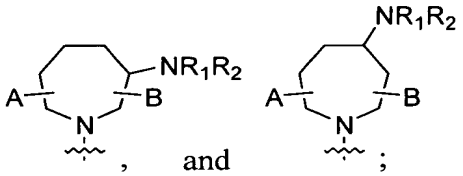
1. A compound of formula I

I,

or pharmaceutically acceptable salts thereof wherein,

Z is selected from the group consisting of

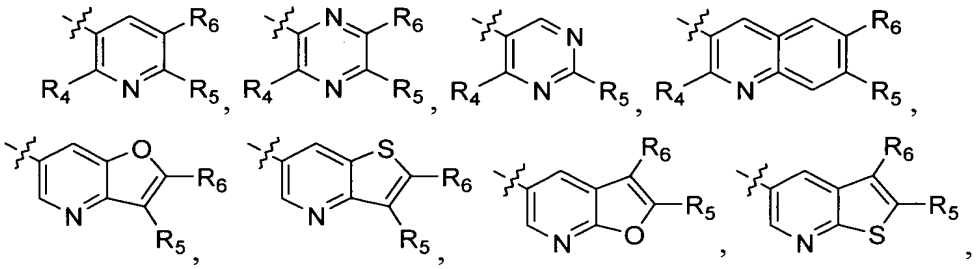


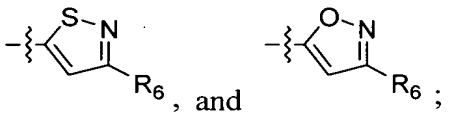


R_1 and R_2 are independently selected from the group consisting of hydrogen and alkyl;

A and B are independently absent or independently selected from the group consisting of alkenyl, alkoxy, alkoxycarbonyl, alkyl, alkynyl, carboxy, haloalkyl, halogen, hydroxy, and hydroxyalkyl;

R_3 is selected from the group consisting of





R_4 is selected from the group consisting of hydrogen, alkyl, and halogen;

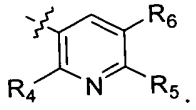
R_5 is selected from the group consisting of hydrogen, alkoxy, alkyl, halogen, nitro, and $-NR_{10}R_{11}$ wherein R_{10} and R_{11} are independently selected from the group consisting of hydrogen and lower alkyl;

R_6 is selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkoxy, alkoxyalkyl, alkoxycarbonyl, alkoxycarbonylalkyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylthio, alkynyl, amino, aminoalkyl, aminocarbonyl, aminocarbonylalkyl, aminosulfonyl, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, formylalkyl, haloalkoxy, haloalkyl, halogen, hydroxy, hydroxyalkyl, mercapto, mercaptoalkyl, nitro, 5-tetrazolyl, $-NR_7SO_2R_8$, $-C(NR_7)NR_8R_9$, $-CH_2C(NR_7)NR_8R_9$, $-C(NOR_7)R_8$, $-C(NCN)R_7$, $-C(NNR_7R_8)R_9$, $-S(O)_2OR_7$, and $-S(O)_2R_7$; and

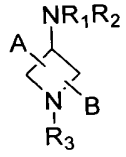
R_7, R_8, and R_9 are independently selected from the group consisting of hydrogen and alkyl.

2. A compound according to claim 1 wherein

R_3 is



3. A compound according to claim 1 of formula II

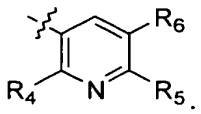


II,

or a pharmaceutically acceptable salt thereof.

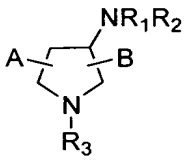
4. A compound according to claim 3 wherein

R_3 is



5. A compound according to claim 4 that is 1-(6-chloro-3-pyridinyl)-3-azetidinylamine.

6. A compound according to claim 1 of formula III

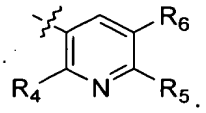


III,

or a pharmaceutically acceptable salt thereof.

7. A compound according to claim 6 wherein

R_3 is



8. A compound according to claim 7 selected from the group consisting of

N-[(3S)-1-(6-chloro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(6-chloro-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(6-chloro-3-pyridinyl)pyrrolidinyl]-N,N-dimethylamine;

(3R)-1-(6-chloro-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(6-chloro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

N-[(3R)-1-(6-chloro-3-pyridinyl)pyrrolidinyl]-N,N-dimethylamine;

1-(6-chloro-3-pyridinyl)-3-pyrrolidinylamine;

(3S)-1-(3-pyridinyl)pyrrolidinylamine;

N-methyl-N-[(3S)-1-(3-pyridinyl)pyrrolidinyl]amine;

1-(3-pyridinyl)-3-pyrrolidinylamine;

(3R)-1-[5-(trifluoromethyl)-3-pyridinyl]pyrrolidinylamine;

N-methyl-N-{(3R)-1-[5-(trifluoromethyl)-3-pyridinyl]pyrrolidinyl}amine;

(3S)-1-[5-(trifluoromethyl)-3-pyridinyl]pyrrolidinylamine;

N-methyl-N-{(3S)-1-[5-(trifluoromethyl)-3-pyridinyl]pyrrolidinyl}amine;

(3R)-1-(6-chloro-5-methyl-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(6-chloro-5-methyl-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(6-chloro-5-methyl-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(6-chloro-5-methyl-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(5,6-dichloro-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(5,6-dichloro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(5,6-dichloro-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(5,6-dichloro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(6-chloro-5-methoxy-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(6-chloro-5-methoxy-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(6-fluoro-5-methyl-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(6-fluoro-5-methyl-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(6-fluoro-5-methyl-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(6-fluoro-5-methyl-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(5-nitro-3-pyridinyl)pyrrolidinylamine;

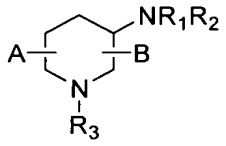
N-methyl-N-[(3S)-1-(5-nitro-3-pyridinyl)pyrrolidinyl]amine;

(3R)-1-(5-nitro-3-pyridinyl)pyrrolidinylamine;

N-methyl-N-[(3R)-1-(5-nitro-3-pyridinyl)pyrrolidinyl]amine; and

(2S,3R)-2-(chloromethyl)-1-(3-pyridinyl)pyrrolidinylamine.

9. A compound according to claim 1 of formula IV

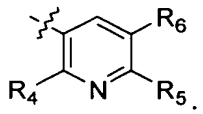


IV,

or a pharmaceutically acceptable salt thereof.

10. A compound according to claim 9 wherein

R_3 is



11. A compound according to claim 10 selected from the group consisting of

1-(6-chloro-3-pyridinyl)-3-piperidinylamine;

(3R,4R)-1-(6-chloro-3-pyridinyl)-4-methylpiperidinylamine;

(3R,4S)-1-(6-chloro-3-pyridinyl)-4-methylpiperidinylamine;

(3S)-1-(3-pyridinyl)piperidinylamine;

N-methyl-N-[(3S)-1-(3-pyridinyl)piperidinyl]amine;

(3R)-1-(3-pyridinyl)piperidinylamine;

N-methyl-N-[(3R)-1-(3-pyridinyl)piperidinyl]amine;

(3S)-1-(6-chloro-3-pyridinyl)piperidinylamine;

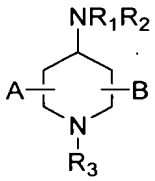
N-[(3S)-1-(6-chloro-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(6-chloro-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(6-chloro-3-pyridinyl)piperidinyl]-N-methylamine; and

N-[(3S)-1-(6-chloro-5-methyl-3-pyridinyl)piperidinyl]-N-methylamine.

12. A compound according to claim 1 of formula V

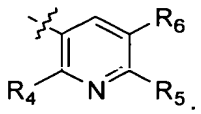


V,

or a pharmaceutically acceptable salt thereof.

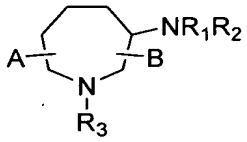
13. A compound according to claim 12 wherein

R_3 is



14. A compound according to claim 13 that is 1-(6-chloro-3-pyridinyl)-4-piperidinylamine.

15. A compound according to claim 1 of formula VI

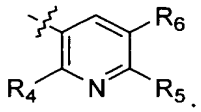


VI,

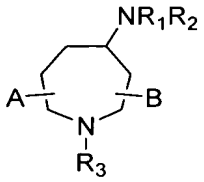
or a pharmaceutically acceptable salt thereof.

16. A compound according to claim 15 wherein

R_3 is



17. A compound according to claim 1 of formula VII

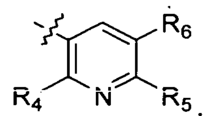


VII,

or a pharmaceutically acceptable salt thereof.

18. A compound according to claim 15 wherein

R_3 is



19. A compound according to claim 1 selected from the group consisting of

(3R)-1-(3-pyridinyl)pyrrolidinylamine;

N-methyl-N-[(3R)-1-(3-pyridinyl)pyrrolidinyl]amine;

(3R)-1-(6-chloro-5-methoxy-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(6-chloro-5-methoxy-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(5-methoxy-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(5-methoxy-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(5-methoxy-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(5-methoxy-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(6-bromo-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(6-bromo-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(6-bromo-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(6-bromo-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(5-fluoro-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(5-fluoro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(5-fluoro-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(5-fluoro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(6-chloro-5-fluoro-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(6-chloro-5-fluoro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(6-chloro-5-fluoro-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(6-chloro-5-fluoro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(6-bromo-5-fluoro-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(6-bromo-5-fluoro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(6-bromo-5-fluoro-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(6-bromo-5-fluoro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(5-bromo-6-chloro-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(5-bromo-6-chloro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(5-bromo-6-chloro-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(5-bromo-6-chloro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(6-bromo-5-chloro-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(6-bromo-5-chloro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(6-bromo-5-chloro-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(6-bromo-5-chloro-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(6-bromo-5-ethoxy-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(6-bromo-5-ethoxy-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(6-bromo-5-ethoxy-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(6-bromo-5-ethoxy-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(5-cyano-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(5-cyano-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(5-cyano-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(5-cyano-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-(5-ethynyl-3-pyridinyl)pyrrolidinylamine;

N-[(3S)-1-(5-ethynyl-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3R)-1-(5-ethynyl-3-pyridinyl)pyrrolidinylamine;

N-[(3R)-1-(5-ethynyl-3-pyridinyl)pyrrolidinyl]-N-methylamine;

(3S)-1-furo[3,2-b]pyridin-6-ylpyrrolidinylamine;

N-[(3S)-1-furo[3,2-b]pyridin-6-ylpyrrolidinyl]-N-methylamine;

(3R)-1-furo[3,2-b]pyridin-6-ylpyrrolidinylamine;

N-[(3R)-1-furo[3,2-b]pyridin-6-ylpyrrolidinyl]-N-methylamine;

1-(6-chloro-3-pyridinyl)-3-methyl-3-pyrrolidinylamine;

N-[1-(6-chloro-3-pyridinyl)-3-methyl-3-pyrrolidinyl]-N-methylamine;

1-(3-pyridinyl)-3-methyl-3-pyrrolidinylamine;

N-[1-(3-pyridinyl)-3-methyl-3-pyrrolidinyl]-N-methylamine;

(3S)-1-(5,6-dichloro-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(5,6-dichloro-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(5,6-dichloro-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(5,6-dichloro-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(6-chloro-5-methoxy-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(6-chloro-5-methoxy-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(6-chloro-5-methoxy-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(6-chloro-5-methoxy-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(6-chloro-5-methyl-3-pyridinyl)piperidinylamine;

(3R)-1-(6-chloro-5-methyl-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(6-chloro-5-methyl-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(5-methoxy-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(5-methoxy-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(5-methoxy-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(5-methoxy-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(6-bromo-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(6-bromo-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(6-bromo-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(6-bromo-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(5-fluoro-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(5-fluoro-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(5-fluoro-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(5-fluoro-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(6-chloro-5-fluoro-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(6-chloro-5-fluoro-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(6-chloro-5-fluoro-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(6-chloro-5-fluoro-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(6-bromo-5-fluoro-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(6-bromo-5-fluoro-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(6-bromo-5-fluoro-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(6-bromo-5-fluoro-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(5-bromo-6-chloro-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(5-bromo-6-chloro-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(5-bromo-6-chloro-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(5-bromo-6-chloro-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(6-bromo-5-chloro-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(6-bromo-5-chloro-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(6-bromo-5-chloro-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(6-bromo-5-chloro-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(6-bromo-5-ethoxy-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(6-bromo-5-ethoxy-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(6-bromo-5-ethoxy-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(6-bromo-5-ethoxy-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(5-cyano-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(5-cyano-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(5-cyano-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(5-cyano-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-(5-ethynyl-3-pyridinyl)piperidinylamine;

N-[(3S)-1-(5-ethynyl-3-pyridinyl)piperidinyl]-N-methylamine;

(3R)-1-(5-ethynyl-3-pyridinyl)piperidinylamine;

N-[(3R)-1-(5-ethynyl-3-pyridinyl)piperidinyl]-N-methylamine;

(3S)-1-furo[3,2-b]pyridin-6-ylpiperidinylamine;

N-[(3S)-1-furo[3,2-b]pyridin-6-ylpiperidinyl]-N-methylamine;

(3R)-1-furo[3,2-b]pyridin-6-ylpiperidinylamine;

N-[(3R)-1-furo[3,2-b]pyridin-6-ylpiperidinyl]-N-methylamine;

(3S)-1-(3-pyridinyl)azepanylamine;

N-methyl-N-[(3S)-1-(3-pyridinyl)azepanyl]amine;

(3R)-1-(3-pyridinyl)azepanylamine;

N-methyl-N-[(3R)-1-(3-pyridinyl)azepanyl]amine;

(3S)-1-(6-chloro-3-pyridinyl)azepanylamine;

N-[(3S)-1-(6-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(6-chloro-3-pyridinyl)azepanylamine;

N-[(3R)-1-(6-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(5,6-dichloro-3-pyridinyl)azepanylamine;

N-[(3S)-1-(5,6-dichloro-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(5,6-dichloro-3-pyridinyl)azepanylamine;

N-[(3R)-1-(5,6-dichloro-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(6-chloro-5-methoxy-3-pyridinyl)azepanylamine;

N-[(3S)-1-(6-chloro-5-methoxy-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(6-chloro-5-methoxy-3-pyridinyl)azepanylamine;

N-[(3R)-1-(6-chloro-5-methoxy-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(6-chloro-5-methyl-3-pyridinyl)azepanylamine;

N-[(3S)-1-(6-chloro-5-methyl-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(6-chloro-5-methyl-3-pyridinyl)azepanylamine;

N-[(3R)-1-(6-chloro-5-methyl-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(5-methoxy-3-pyridinyl)azepanylamine;

N-[(3S)-1-(5-methoxy-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(5-methoxy-3-pyridinyl)azepanylamine;

N-[(3R)-1-(5-methoxy-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(6-bromo-3-pyridinyl)azepanylamine;

N-[(3S)-1-(6-bromo-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(6-bromo-3-pyridinyl)azepanylamine;

N-[(3R)-1-(6-bromo-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(5-fluoro-3-pyridinyl)azepanylamine;

N-[(3S)-1-(5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(5-fluoro-3-pyridinyl)azepanylamine;

N-[(3R)-1-(5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(6-chloro-5-fluoro-3-pyridinyl)azepanylamine;

N-[(3S)-1-(6-chloro-5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(6-chloro-5-fluoro-3-pyridinyl)azepanylamine;

N-[(3R)-1-(6-chloro-5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(6-bromo-5-fluoro-3-pyridinyl)azepanylamine;

N-[(3S)-1-(6-bromo-5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(6-bromo-5-fluoro-3-pyridinyl)azepanylamine;

N-[(3R)-1-(6-bromo-5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(5-bromo-6-chloro-3-pyridinyl)azepanylamine;

N-[(3S)-1-(5-bromo-6-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(5-bromo-6-chloro-3-pyridinyl)azepanylamine;

N-[(3R)-1-(5-bromo-6-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(6-bromo-5-chloro-3-pyridinyl)azepanylamine;

N-[(3S)-1-(6-bromo-5-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(6-bromo-5-chloro-3-pyridinyl)azepanylamine;

N-[(3R)-1-(6-bromo-5-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(6-bromo-5-ethoxy-3-pyridinyl)azepanylamine;

N-[(3S)-1-(6-bromo-5-ethoxy-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(6-bromo-5-ethoxy-3-pyridinyl)azepanylamine;

N-[(3R)-1-(6-bromo-5-ethoxy-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(5-cyano-3-pyridinyl)azepanylamine;

N-[(3S)-1-(5-cyano-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(5-cyano-3-pyridinyl)azepanylamine;

N-[(3R)-1-(5-cyano-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-(5-ethynyl-3-pyridinyl)azepanylamine;

N-[(3S)-1-(5-ethynyl-3-pyridinyl)azepanyl]-N-methylamine;

(3R)-1-(5-ethynyl-3-pyridinyl)azepanylamine;

N-[(3R)-1-(5-ethynyl-3-pyridinyl)azepanyl]-N-methylamine;

(3S)-1-furo[3,2-b]pyridin-6-ylazepanylamine;

N-[(3S)-1-furo[3,2-b]pyridin-6-ylazepanyl]-N-methylamine;

(3R)-1-furo[3,2-b]pyridin-6-ylazepanylamine;

N-[(3R)-1-furo[3,2-b]pyridin-6-ylazepanyl]-N-methylamine;

(4S)-1-(3-pyridinyl)azepanylamine;

N-methyl-N-[(4S)-1-(3-pyridinyl)azepanyl]amine;

(4R)-1-(3-pyridinyl)azepanylamine;

N-methyl-N-[(4R)-1-(3-pyridinyl)azepanyl]amine;

(4S)-1-(6-chloro-3-pyridinyl)azepanylamine;

N-[(4S)-1-(6-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(6-chloro-3-pyridinyl)azepanylamine;

N-[(4R)-1-(6-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(5,6-dichloro-3-pyridinyl)azepanylamine;

N-[(4S)-1-(5,6-dichloro-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(5,6-dichloro-3-pyridinyl)azepanylamine;

N-[(4R)-1-(5,6-dichloro-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(6-chloro-5-methoxy-3-pyridinyl)azepanylamine;

N-[(4S)-1-(6-chloro-5-methoxy-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(6-chloro-5-methoxy-3-pyridinyl)azepanylamine;

N-[(4R)-1-(6-chloro-5-methoxy-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(6-chloro-5-methyl-3-pyridinyl)azepanylamine;

N-[(4S)-1-(6-chloro-5-methyl-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(6-chloro-5-methyl-3-pyridinyl)azepanylamine;

N-[(4R)-1-(6-chloro-5-methyl-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(5-methoxy-3-pyridinyl)azepanylamine;

N-[(4S)-1-(5-methoxy-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(5-methoxy-3-pyridinyl)azepanylamine;

N-[(4R)-1-(5-methoxy-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(6-bromo-3-pyridinyl)azepanylamine;

N-[(4S)-1-(6-bromo-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(6-bromo-3-pyridinyl)azepanylamine;

N-[(4R)-1-(6-bromo-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(5-fluoro-3-pyridinyl)azepanylamine;

N-[(4S)-1-(5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(5-fluoro-3-pyridinyl)azepanylamine;

N-[(4R)-1-(5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(6-chloro-5-fluoro-3-pyridinyl)azepanylamine;

N-[(4S)-1-(6-chloro-5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(6-chloro-5-fluoro-3-pyridinyl)azepanylamine;

N-[(4R)-1-(6-chloro-5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(6-bromo-5-fluoro-3-pyridinyl)azepanylamine;

N-[(4S)-1-(6-bromo-5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(6-bromo-5-fluoro-3-pyridinyl)azepanylamine;

N-[(4R)-1-(6-bromo-5-fluoro-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(5-bromo-6-chloro-3-pyridinyl)azepanylamine;

N-[(4S)-1-(5-bromo-6-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(5-bromo-6-chloro-3-pyridinyl)azepanylamine;

N-[(4R)-1-(5-bromo-6-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(6-bromo-5-chloro-3-pyridinyl)azepanylamine;

N-[(4S)-1-(6-bromo-5-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(6-bromo-5-chloro-3-pyridinyl)azepanylamine;

N-[(4R)-1-(6-bromo-5-chloro-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(6-bromo-5-ethoxy-3-pyridinyl)azepanylamine;

N-[(4S)-1-(6-bromo-5-ethoxy-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(6-bromo-5-ethoxy-3-pyridinyl)azepanylamine;

N-[(4R)-1-(6-bromo-5-ethoxy-3-pyridinyl)azepanyl]-N-methylamine;

(4S)-1-(5-cyano-3-pyridinyl)azepanylamine;

N-[(4S)-1-(5-cyano-3-pyridinyl)azepanyl]-N-methylamine;

(4R)-1-(5-cyano-3-pyridinyl)azepanylamine;

N-[(4R)-1-(5-cyano-3-pyridinyl)azepanyl]-N-methylamine;
(4S)-1-(5-ethynyl-3-pyridinyl)azepanylamine;
N-[(4S)-1-(5-ethynyl-3-pyridinyl)azepanyl]-N-methylamine;
(4R)-1-(5-ethynyl-3-pyridinyl)azepanylamine;
N-[(4R)-1-(5-ethynyl-3-pyridinyl)azepanyl]-N-methylamine;
(4S)-1-furo[3,2-b]pyridin-6-ylazepanylamine;
N-[(4S)-1-furo[3,2-b]pyridin-6-ylazepanyl]-N-methylamine;
(4R)-1-furo[3,2-b]pyridin-6-ylazepanylamine; and
N-[(4R)-1-furo[3,2-b]pyridin-6-ylazepanyl]-N-methylamine.

20. A pharmaceutical composition comprising a therapeutically effective amount of a compound of formula I in combination with a pharmaceutically acceptable carrier.

21. A method for selectively controlling neurotransmitter release in a mammal comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of formula I.

22. A method of treating a disorder wherein the disorder is ameliorated by controlling neurotransmitter release in a host mammal in need of such treatment comprising administering a therapeutically effective amount of a compound of formula I.

23. The method according to claim 22 wherein the disorder is selected from the group consisting of Alzheimer's disease, Parkinson's disease, attention deficit hyperactivity disorder, depression, nicotinic withdrawal syndrome, Tourette's syndrome, and schizophrenia.

24. The method according to claim 22 wherein the disorder is pain.

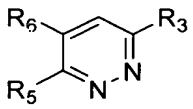
25. A method of treating pain in a mammal comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of formula I in combination with an opioid and a pharmaceutically acceptable carrier.

26. A method of treating pain in a mammal comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of formula I in combination with a non-steroid antiinflammatory agent and a pharmaceutically acceptable carrier.

27. A method of treating pain in a mammal comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of formula I in combination with a tricyclic antidepressant and a pharmaceutically acceptable carrier.

28. A method of treating pain in a mammal comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of formula I in combination with an anticonvulsant and a pharmaceutically acceptable carrier.

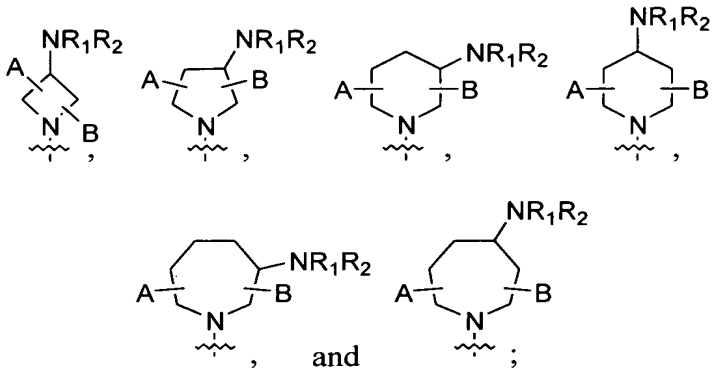
29. A compound of formula VIII



VIII,

or pharmaceutically acceptable salts thereof wherein,

R_3 is selected from the group consisting of



R_1 is alkyl;

R_2 is selected from the group consisting of hydrogen and alkyl;

A and B are independently absent or independently selected from the group consisting of alkenyl, alkoxy, alkoxycarbonyl, alkyl, alkynyl, carboxy, haloalkyl, halogen, hydroxy, and hydroxyalkyl;

R_5 is selected from the group consisting of hydrogen, alkoxy, alkyl, halogen, nitro, and $-NR_{10}R_{11}$ wherein R_{10} and R_{11} are independently selected from the group consisting of hydrogen and lower alkyl;

R_6 is selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkoxy, alkoxyalkyl, alkoxycarbonyl, alkoxycarbonylalkyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylthio, alkynyl, amino, aminoalkyl, aminocarbonyl, aminocarbonylalkyl, aminosulfonyl, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, formylalkyl, haloalkoxy, haloalkyl, halogen, hydroxy, hydroxyalkyl, mercapto, mercaptoalkyl, nitro, 5-tetrazolyl, $-NR_7SO_2R_8$, $-C(NR_7)NR_8R_9$, $-CH_2C(NR_7)NR_8R_9$, $-C(NOR_7)R_8$, $-C(NCN)R_7$, $-C(NNR_7R_8)R_9$, $-S(O)_2OR_7$, and $-S(O)_2R_7$; and

R_7, R_8, and R_9 are independently selected from the group consisting of hydrogen and alkyl.

30. A pharmaceutical composition comprising a therapeutically effective amount of a compound of formula VIII in combination with a pharmaceutically acceptable carrier.

31. A method for selectively controlling neurotransmitter release in a mammal comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of formula VIII.

32. A method of treating a disorder wherein the disorder is ameliorated by controlling neurotransmitter release in a host mammal in need of such treatment comprising administering a therapeutically effective amount of a compound of formula VIII.

33. The method according to claim 28 wherein the disorder is selected from the group consisting of Alzheimer's disease, Parkinson's disease, attention deficit hyperactivity disorder, depression, nicotinic withdrawal syndrome, Tourette's syndrome, and schizophrenia.

34. The method according to claim 28 wherein the disorder is pain.

35. A method of treating pain in a mammal comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of formula VIII in combination with an opioid and a pharmaceutically acceptable carrier.

36. A method of treating pain in a mammal comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of formula VIII in combination with a non-steroid antiinflammatory agent and a pharmaceutically acceptable carrier.

37. A method of treating pain in a mammal comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of formula VIII in combination with a tricyclic antidepressant and a pharmaceutically acceptable carrier.

38. A method of treating pain in a mammal comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of formula VIII in combination with an anticonvulsant and a pharmaceutically acceptable carrier.